

# USER MANUAL

FOR 3-LINE BRIDLED FOIL KITES



**PETER LYNN**

*Passion makes us fly*

## WELCOME

Thank you for buying this Peter Lynn product, and welcome to the World of Peter Lynn; a world of wind driven excitement, where people passionately pursue their dreams whether that's freeriding at a local beach or going for the speed record in a deserted salt lake. Peter Lynn is here to help you pursue your dream, making you go beyond yourself. Are you ready to achieve your ultimate challenge?

Peter Lynn has been taking challenges from the early days of the sport. Challenges to come with better products, invent new solutions, improve performance and build superior quality in every aspect of those products. We bring kites for all kite disciplines, for all terrains, for all conditions. All this comes forth from a passionate crew of kite sports enthusiasts and we invite you to join us. It's that passion that makes us fly.

Before any attempt to use this product, please ensure you pay full and careful attention to the contents of this manual. While traction kiting is an exciting and fun sport, it can be highly dangerous for yourself and others around you, especially if the necessary safety precautions are not or only partly taken. So please make sure you learn this great sport in a safe way. Only then you will progress quickly and enjoy this beautiful sport to the max.

Enjoy!

## SAFETY INSTRUCTIONS

**CAUTION:** Kite powered sports can be very dangerous and physically demanding. The user of this product should understand that participating in kite powered sports may involve serious injury or death and agrees to observe the safety precautions listed below.

### *Safe location and weather conditions:*

- Stay away from power lines, roads, airfields, railway lines, trees and buildings.
- Never launch your kite in crowded areas. Do not fly your kite over bystanders.
- Make sure there is a 'clear' downwind area at least three times the distance of your flying line length.
- Never fly kites or use this product in thunderstorms, lightning or gusty/stormy winds.
- Never fly a kite or use this product with wind forces so strong that you are unable to maintain full control of your kite and its power at all times.
- Do not fly a kite or use this product when wind conditions are likely to change dramatically.
- Stop kiting immediately when a storm or lightning is approaching.
- Make sure you are familiar with the location and local customs and laws before attempting any kind of kite sports.

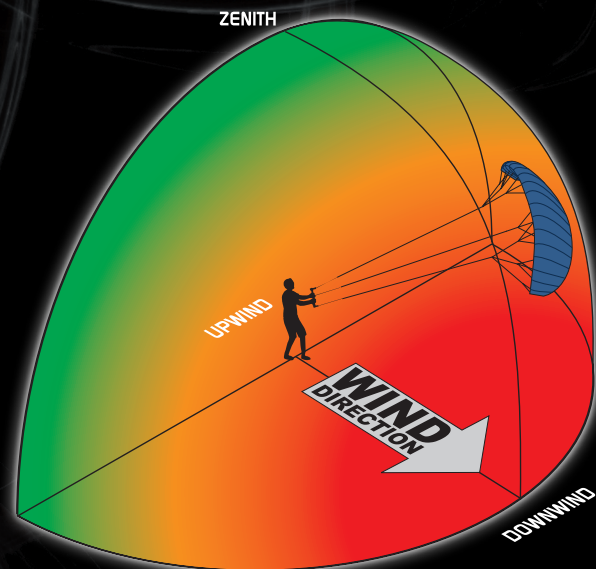
### *Safe traction kiting:*

- A traction kite is not a toy and should not be flown by inexperienced persons and certainly not by children.
- Learn to fly kites by starting in light winds with a small sized kite.
- Never use any type of kite or this product for paragliding, parachuting or base jumping.
- Never use any type of kite or this product for jumping off high places like hills or cliffs
- Never use any type of kite or this product for any manlifting activity.
- Always use fully protective gear when power kiting, landboarding, snowkiting or buggy riding.

### *Safety issues when using this product:*

- This kite has been manufactured with high quality materials and has been manufactured using the latest and most advanced production methods.
- Prior to every use of this product, fully check your equipment for any signs of wear and tear. Replace parts immediately where needed.
- Prior to every use of this product, check if your safety release (3-line traction kite only) is still working properly and you are aware how to use it. In case the safety release does not work as it should, do not use this product and replace parts where needed.
- Only use this product for power kiting, buggy riding, landboarding and snowkiting.
- Only use this product when you are in a good state of health. Never use this product when under the influence of alcohol, drugs or medication.
- Do not alter, modify or change this product. Repairs should be done by a professional kite repair shop, sail repair shop, or by the Peter Lynn company.

## THE WIND WINDOW



EDGE OF WIND WINDOW

POWER ZONE



MINIMUM POWER

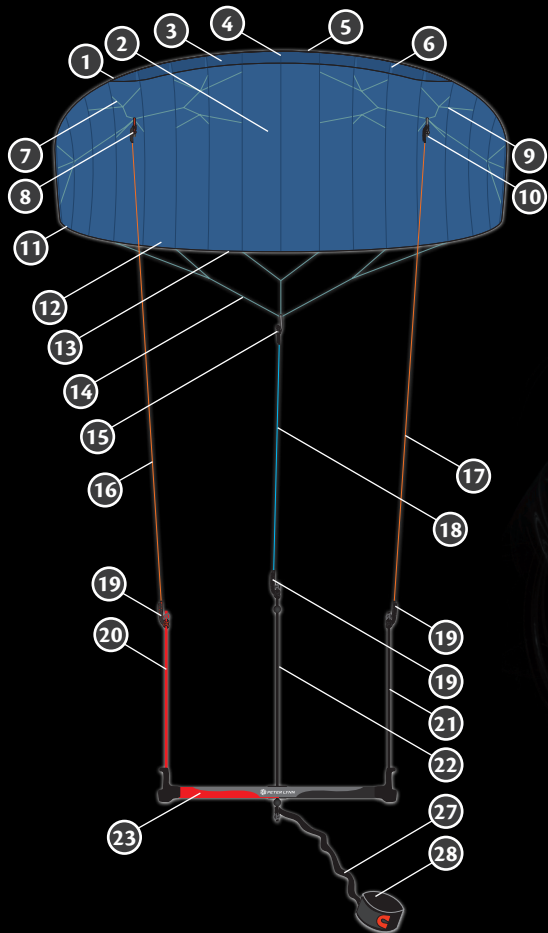
MAXIMUM POWER

Before flying your kite it is very important to understand the 'wind window'. The image shows where the kite will create the most power (straight downwind, also known as the 'power zone') and where the kite will create the least power (edge of the window and zenith).



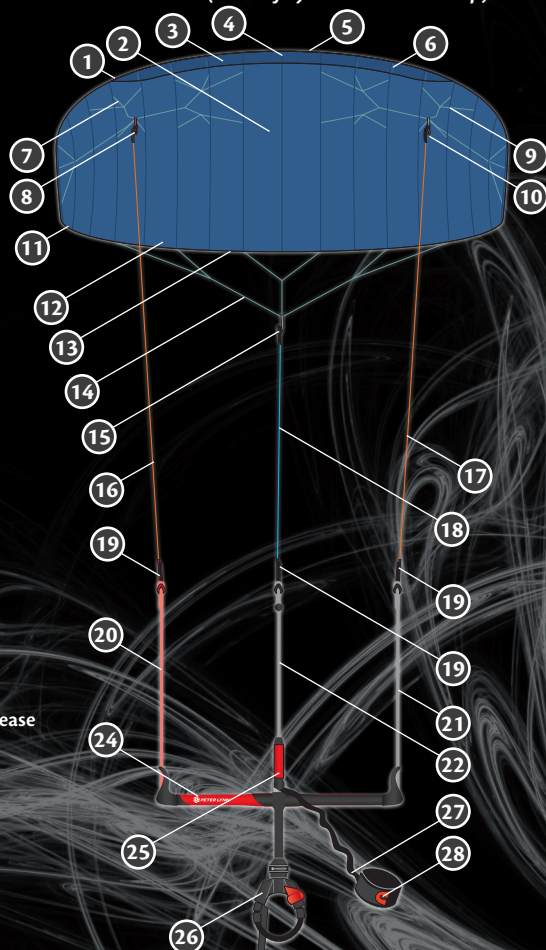
## OVERVIEW & TERMINOLOGY

### 3-line trainer kite



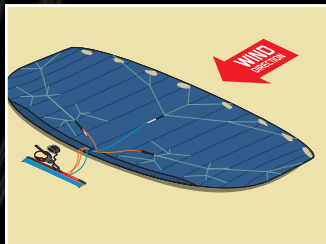
1. Top skin
2. Lower skin
3. Air inlets
4. Velcro bridle loop
5. Leading edge
6. Profiles
7. Left top bridle
8. Left bridle loop
9. Right top bridle
10. Right bridle loop
11. Velcro dirt-outs
12. Dirt channel
13. Trailing edge
14. Bottom bridle
15. Center bridle loop
16. Left flying line
17. Right flying line
18. Life line
19. Sleeve on end of flying line
20. Left leader line
21. Center leader line
22. Right leader line
23. Trainer bar
24. Tracer bar
25. Self-landing handle
26. Harness loop with safety release
27. Bungee safety leash
28. Safety leash wrist strap

### 3-line traction kite (with safety release harness loop)

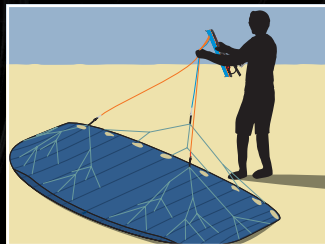


## SETTING UP YOUR KITE

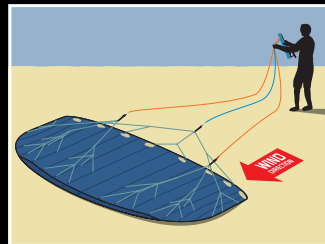
Find a good location to set the kite up.



Take the kite out of the bag and unfold the kite. Lay the kite down with the lower skin up, trailing edge opposite to the wind direction. Put some sand or other suitable weight on the trailing edge of the kite to prevent it from blowing away.



The three bridle loops are secured together in the Velcro tag in the centre of the leading edge of the kite. Remove the bridle loops from the Velcro tag and check that the bridles are not tangled.



Starting at the kite, slowly walk backwards while unwinding your lines. Walk in the opposite direction of the wind, this prevents line tangles and enables you to launch easier and faster. Make sure not to put too much tension on the lines as the kite may take off.



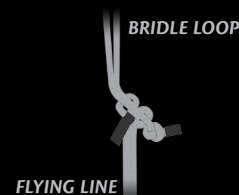
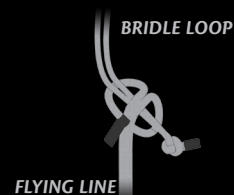
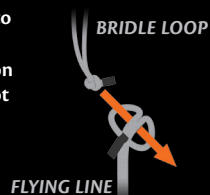
When finished unwinding your flying lines, make sure the lines have a little tension to straighten them out. Place your bar flat on the ground with the correct side up (red colour on the left). Make sure all leader lines are untangled and not hooking behind any part of the bar. Check your lines to make sure they are free of tangles and twists.

## LARKSHEAD KNOTS

Your flying lines can remain attached to the kite at all times. In case you need to take them off, attach them to the bridle loops using larkshead knots.

Take the sleeve of the flying line, and make a larkshead. Slide it over the knot on the end of the bridle loop. Pull the larkshead tight and slide it towards the knot on the end of the bridle loop.

Please note the knot and loop on the center bridle connection are reversed to prevent wrong attachment of the flying lines.



## SAFETY RELEASE (3-LINE TRACTION KITE ONLY)

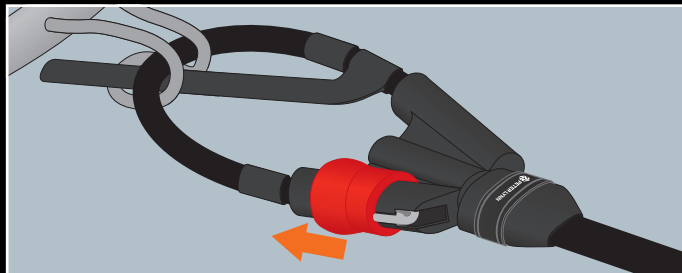
If you are flying a 3-line traction kite, it is important you are aware how to activate your safety release and re-attach the release system after using it.

We recommend to test the safety system when using the kite for the first time so you are aware how the complete system works, how to activate it and how to recover the kite after activating it.

Never be afraid to use it because it can save your life!

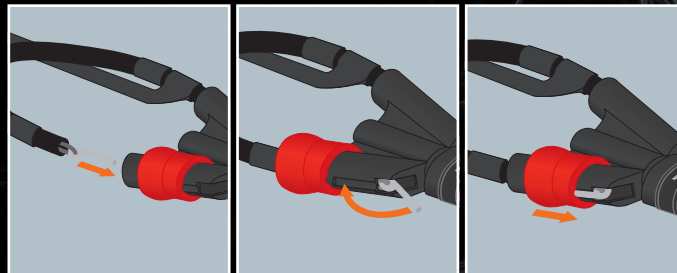
We recommend to check if your quick releases are in working order before every launch!

### Activating the quick release



To activate your quick release, pull the red release cuff part down towards your spreader bar.

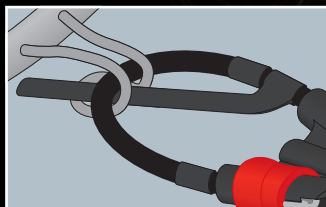
### Re-connecting the quick release



Re-connect the safety release by placing the pin inside the center piece, flipping the pin over and sliding the release cuff over the pin.

## HARNESS LOOP LOCK-IN PIN

To prevent accidental unhooking of your harness loop, you can use the lock-in pin. Place the lock-in pin through the spreader bar hook, just below the harness loop tube.



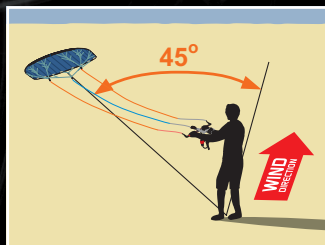
## TIPS REGARDING THE SAFETY RELEASE

- Check if your quick releases are in working order before every launch!
- Regularly rinse your bar and safety systems with tap water.

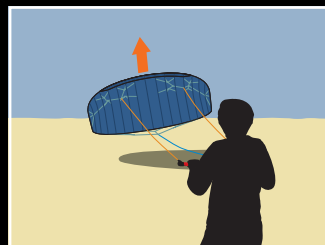
## LAUNCHING - Self launch



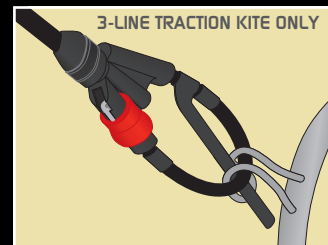
Make sure the kite is still secured from blowing away by some sand on the trailing edge. Grab the wrist leash and attach it to your wrist. Now grab your bar.



Stand at the position so your flying lines are at about 45 degrees to the wind direction. The more you launch your kite directly downwind, the more power the kite will produce when launching.

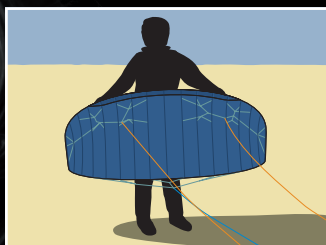


Check again if the area is clear of people. Slowly take a few steps back. You will see the leading edge rise and the sand will fall from the trailing edge of the kite.

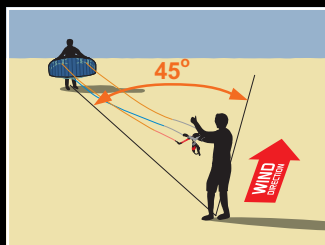


You can stop walking when the kite launches. If there is sufficient wind, the kite will start flying to the zenith. When you are confident with the wind conditions, you can hook in the harness loop (*3-line traction kite only*).

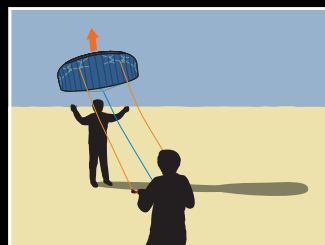
## LAUNCHING - Launch with Helper



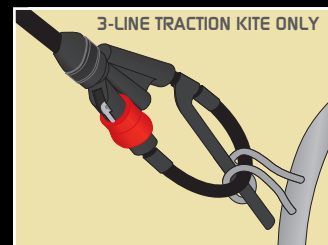
As an alternative to the self-launch, you may also ask someone to hold the kite by the leading edge, so it is ready to fly off.



Stand at the position so your flying lines are at about 45 degrees to the wind direction. First let the kite fill with air, and check that you are ready to launch. Signal your helper.



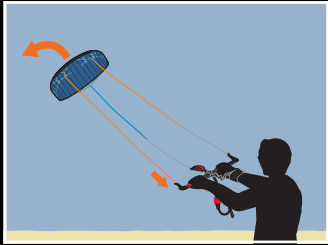
The helper now guides the kite upward.



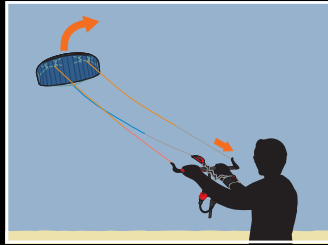
When you are confident with the wind conditions, you can hook in the harness loop (*3-line traction kite only*).



## STEERING YOUR KITE

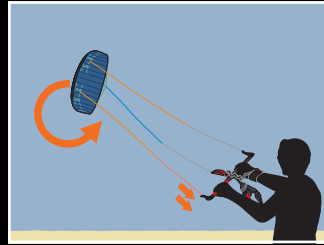


Pull on the left side of the bar and the kite will turn left.

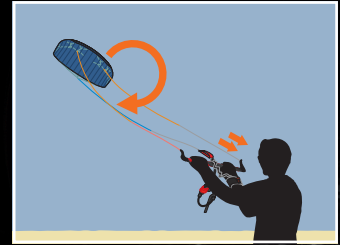


Pull on the right side of the bar and the kite will turn right.

## LOOPING YOUR KITE



Pull on the left side of the bar and hold this position. The kite will make a full loop counter clockwise. After the loop the flying lines are twisted.

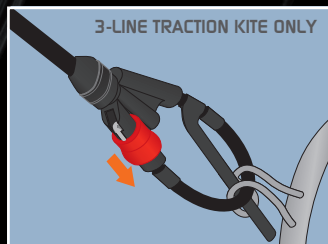


Undo the twist by pulling on the right side of the bar and hold this position. The kite will make a full loop clockwise.

## SAFETY SYSTEM

Both the 3-line trainer kite and 3-line traction kite are fitted with a safety system allowing you to instantly lose all power of the kite, without losing the kite itself. After activating the safety system, the kite slowly moves toward the ground with very little power. The harness loop, only on the 3-line traction kite, is equipped with safety quick release to activate the safety system when flying hooked in to a harness.

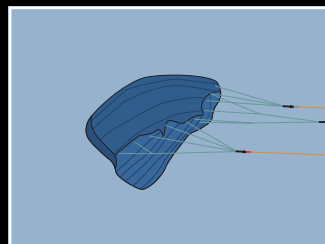
### Activating the safety system



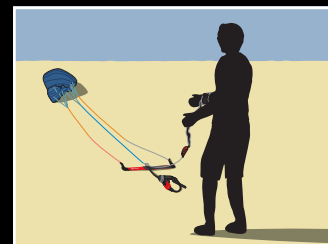
If you are flying your kite with the harness loop hooked in, unhook or pull the quick release.



Let go of the bar. The bar will slide towards the kite along the center leader line that is attached to your wrist leash.

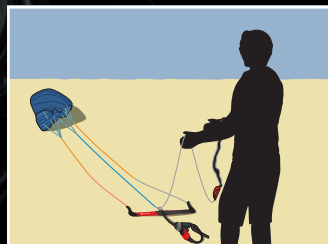


The kite will lose all its power and will slowly move towards the ground.

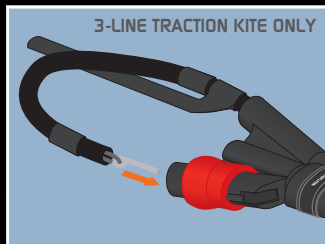


Wait till the kite has reached the ground before taking any next action.

### Recovery after using the safety system



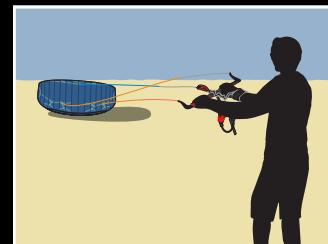
Move towards the bar while pulling in the center leader line.



Hold the center leader line while resetting the harness loop if you have pulled the release.

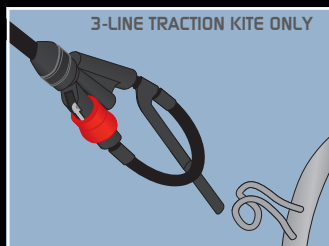


Grab the bar while still holding the center leader line. Check that the center leader line is not tangled or hooked behind any part of the bar or your body.

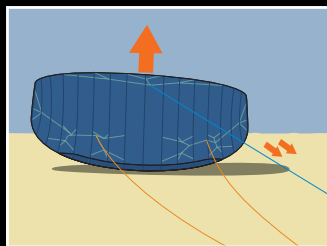


Let go of the center leader line and grab the bar with both hands. Take a few steps back. You are now ready to relaunch your kite.

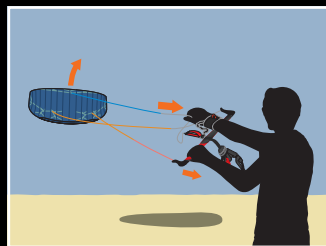
## RELAUNCHING YOUR KITE



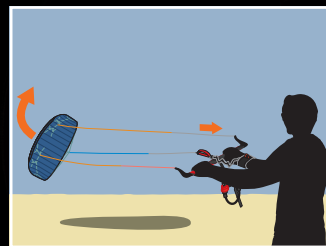
After crashing your kite with its leading edge down, it is recommended to unhook your harness loop.



You can relaunch it with the use of the Life line. Pull the Life line and the kite will fly up backwards.



Once it is in the air, pull in one side of the bar. The kite will now turn around.

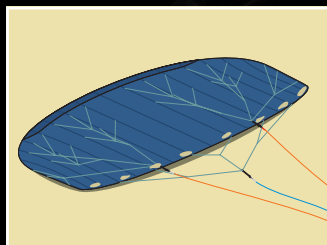


When the kite has completely turned around, let go of the Life line and grab the bar. You can now continue flying your kite.

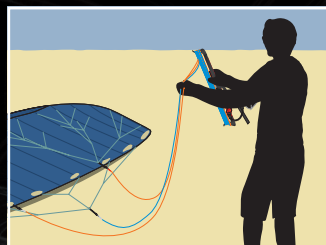
## LANDING & PACKING UP



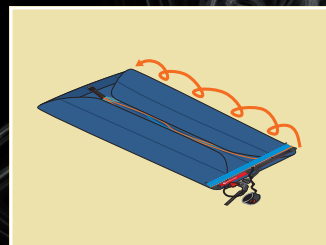
First check if the area is clear of people. Fly the kite to the ground at the edge of the wind window. Here a helper may grab it, or you may let go of the bar to activate the safety system.



Secure it with some sand or other suitable weight. Especially in strong winds, a kite can easily take off again, so make sure there is sufficient weight and there is no tension on the flying lines.



Wind the flying lines in figure-eights onto the bar. When reaching the kite, use the bungee chords to secure the flying lines on the bar. Secure the bridle loops and line sleeves with the Velcro tag in the centre of the leading edge.



Fold the kite, starting from the tips towards the center. Now place the control bar on the trailing edge, and roll the kite around the control bar. Place your kite in the bag to prevent it from getting damaged.

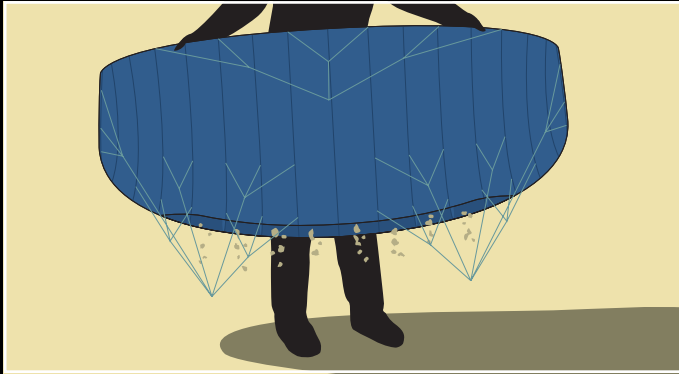
## TROUBLESHOOTING

<i>Problem</i>	<i>Probable cause</i>	<i>Explanation</i>	<i>Solution</i>
Kite does not want to fly	Is there sufficient wind?	Your kite needs a bit of wind to get going. If the wind is too light it is very difficult to fly your kite properly.	Fly your kite with more wind.
	Are there any obstacles disturbing the wind?	Winds can easily get reduced by large obstacles like buildings, trees, hills or dunes.	Choose a better location or fly with different wind direction.
	Is the kite clear of sand and water?	Wet kites, or kites with a lot of sand in it are hard to fly.	Remove any sand or water.
	Is your Life line the correct length?	The Life line should be hanging with a little slack when flying. If the Life line is too tight, the kite may not want to fly .	Shorter flying lines by moving the knots on leader lines on the bar.
Kite is difficult to control	Are you holding your bar the right way around?	Holding the bar the wrong way around makes steering your kite very difficult.	Make sure the bar is the right way up.
	Is the kite clear of sand and water?	Wet kites, or kites with a lot of sand in it are hard to fly.	Remove any sand or water.
	Are your bridles and flying lines free of tangles?	Bridle lines can easily get caught behind the bridle loops or parts of the kite. Tangled or twisted bridles or flying lines may make steering difficult.	Check bridle lines and correct bridle if necessary. Undo tangles from flying lines.
	Are any parts on the bar hooking behind each other?	If any parts of the bar hook behind each other the kite may not steer properly.	This may prevent the kite from flying properly.
	Are your left and right flying line the same length?	On a very rare occasion your flying lines can stretch unevenly. This may cause steering to be difficult.	Check the lines are the same length, adjust the knots on the side leader lines on the bar if necessary.
	Is your center flying line the correct length?	The Life line should be hanging with a little slack when flying. If the Life line is too tight, the steering will be very slow.	Shorter flying lines by moving the knots on leader lines on the bar.
Kite does not fly smooth	Is there sufficient wind?	If the wind is light, the gusts may be sufficient but the lulls may prevent the kite from flying properly.	Fly your kite with more wind.
	Are there any obstacles disturbing the wind?	Winds can easily get disturbed by large obstacles like buildings, trees, hills or dunes, making the kite fly less smooth.	Choose a better location or fly with different wind direction.
	Is the kite clear of sand and water?	Wet kites, or kites with a lot of sand in it may start to shake in flight.	Dry kite. Remove any sand or water.
	Is your kite damaged?	Damaged kites may change the flying behaviour of the kite.	Check kite and get it repaired if necessary.



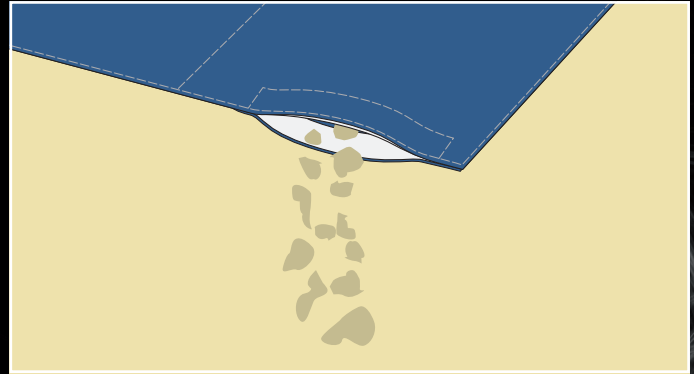
## REMOVING SAND OR OTHER DIRT FROM YOUR KITE

If there is any sand, mud or grass in the kite, remove it to keep your kite flying properly and prevent damages.



If the dirt is in the open cells, turn the kite upside down, hold it by the trailing edge and shake it a bit. The dirt will fall out via the air inlets along the leading edge.

When the dirt in your kite is wet, remove as much as possible; then dry your kite and repeat the action as described above.



Dirt can also be removed by guiding it towards the smallest tip cell via the Dirt channel along the trailing edge. Open the Velcro dirt-out to allow the dirt to fall out.

## CARE AND MAINTENANCE

Peter Lynn products are designed to be strong and durable. The extreme nature of the kite sport puts a high strain on the equipment involved. By taking good care of your equipment, you can minimize the wear on your equipment.

### *Kite care:*

- Inspect your equipment before launch. Check for tears, abrasions, undone stitching, and all other forms of damage.
- Regularly remove sand or other dirt from your kite, to improve flight performance and reduce wear.
- Avoid crashing the kite on its leading edge. A hard crash can damage the profiles or cells of the kite.
- Regularly check your bridles for wear and tear. Regularly check if the lines are still intact and that loops are free of wear.
- Do not rig on rough terrain. Stay far away from sharp items that could damage your kite, such as seashells, trees, washed up wood or fences.
- Secure your kite using soft items like sand or sand bags. Do not use items with sharp edges like rocks.
- Do not unnecessarily leave a kite unused for a longer period of time to prevent UV damage.
- Always make sure your kite is dry before packing and free of sand or sharp items. Let your kite dry naturally, do not use devices such as a hair dryer.
- Regularly rinse your kite after using it on the beach. If you want to clean your kite, use a soft cloth moistened with lukewarm water only. Never use chemical cleaners, they will damage the fabric.
- Never put the kite in a washing machine and never try to iron your kite.
- When storing for a long time, it is advised to leave part of the bag open, to allow fresh air to get in the bag, and any remaining traces of moist to dry up.

### *Bar care:*

- Make sure you regularly check your bar for wear and tear. Replace parts when needed.
- Make sure your flying lines are free of knots.
- Before launching, always check that your quick release is in working order and free of sand or other debris.
- After every session, rinse your bar with tap water to remove any salt or sand from the bar.

If there are problems with your kite or your bar, please contact your Peter Lynn dealer.

## WARRANTY

Peter Lynn warrants this product, when it is purchased from an authorized Peter Lynn dealer by a retail customer, to be free of major defects in material or workmanship to the original purchaser, for a period of six (6) months from the date of purchase by the original retail customer. This warranty is subject to the following limitations:

- The warranty is solely for the benefit of the original retail purchaser and may not be assigned. For retail customer warranty claims, proof of purchase from an authorized Peter Lynn dealer is required. If the date of purchase can not be established, Peter Lynn will make a determination based on the last production year and/or the condition of the particular product claimed.
- The warranty on this product is valid only when it is solely used for designated purposes and does not apply to any product used for rental and/or teaching purposes.
- Peter Lynn will make the final warranty determination, which may require inspection and/or photos of the equipment. Photos must clearly show the defect(s). If necessary, this information must be sent to the Peter Lynn dealer where the product was originally purchased, postage prepaid. Alternatively you may contact the Peter Lynn distributor in (or nearest to) your country.
- If a product is deemed to be defective by Peter Lynn, the warranty covers the repair or replacement of the defective product only. Peter Lynn will not be responsible for any costs, losses, or damages incurred as a result of loss of use of this product. This warranty does not cover damage caused by misuse, abuse, neglect or normal wear and tear including, but not limited to, damage due to excessive sun exposure, use in combination with other than Peter Lynn control gear, damage caused by improper handling and storage, and damage caused by anything other than defects in material and workmanship.
- The warranty is voided if any unauthorized repair, change or modification has been made to any part of the equipment. The warranty for any repaired or replaced equipment takes effect from the date of the original purchase only. The original purchase receipt must accompany all warranty claims. The name of the Peter Lynn dealer and the date of purchase must be clear and legible.
- There are no warranties which extend beyond the warranty specified herein.

### Warranty Claims

Warranty claims must be processed through an authorized Peter Lynn dealer and be issued a return authorization prior to shipping the product concerned. For claims processing please contact the Peter Lynn dealer the product was purchased from or call - or write to - the national Peter Lynn distributor. If there is no Peter Lynn distributor in your country, please find our contact details on our website [www.peterlynn.com](http://www.peterlynn.com).

## DISCLAIMER – RELEASE OF LIABILITY

### Peter Lynn / Vliegerop bv. - Release of Liability

#### Caution

Before making any attempt to set up or use this product, you agree to have read and fully understood the entire Peter Lynn user manual; including, but not limited to, all instructions and warnings it contains. You also agree to make sure that any other user of this Peter Lynn product, prior to using it, will also read and fully understand this Peter Lynn user manual; including, but not limited to, all instructions and warnings it contains.

#### Assumption and acceptance of risk

Kite powered sports can be very dangerous and physically demanding. While powerkiting in its many forms is an exciting and fun sport, it can be highly dangerous for yourself and others around you, especially if the necessary safety precautions are not or only partly taken. The user of this Peter Lynn product should understand that participating in kite powered sports can result in serious personal injury – and even death – to the user as well as to third parties. Before setting up and using this Peter Lynn product you agree to assume and accept any risk of injury, whether known or unknown, to both yourself and any third parties from using this Peter Lynn product. To reduce these risks, we strongly recommend you to stick to the safety precautions listed in this Peter Lynn user manual.

#### Disclaimer and Release of Liability

Concerning the purchase of this Peter Lynn product by you, you hereby agree, to the greatest extent allowed by law, to waive any claims you have or may have in the future against Peter Lynn and all related entities resulting from using this Peter Lynn product and/or any of its components.

You will also release Peter Lynn and all related entities from any liability for special, indirect, incidental, consequential or exemplary damages, whether in contract, tort, negligence, strict liability or otherwise including, but not limited to, loss of property other than this Peter Lynn product, loss of use of this product, or other property or other economic losses. Peter Lynn shall not be liable for contribution or indemnification, whatever the cause.

All terms and conditions contained herein shall, in the event of your death or incapacity, apply and be binding upon your heirs, next of kin and any other representatives including, but not limited to, administrators and executors. The foregoing provisions regarding liability and warranty are exclusive and in lieu of all other liability- and warranty statements, whether written, oral or implied.



[www.peterlynn.com](http://www.peterlynn.com)

Join us on Facebook   
[Facebook.com/peterlynncom](https://Facebook.com/peterlynncom)

Realtime updates   
[Twitter.com/peterlynncom](https://Twitter.com/peterlynncom)

The latest videos   
[Youtube.com/peterlynncom](https://Youtube.com/peterlynncom)